

What is claimed is:

1. An apparatus for controlling a transmission power in a CDMA mobile communication system, comprising:

5 a central processing unit (CPU) for performing control operation according to a power control require signal of a user;

a gain controller for outputting a gain signal according to the CPU control; and

10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
165
170
175
180
185
190
195
200
205
210
215
220
225
230
235
240
245
250
255
260
265
270
275
280
285
290
295
300
305
310
315
320
325
330
335
340
345
350
355
360
365
370
375
380
385
390
395
400
405
410
415
420
425
430
435
440
445
450
455
460
465
470
475
480
485
490
495
500
505
510
515
520
525
530
535
540
545
550
555
560
565
570
575
580
585
590
595
600
605
610
615
620
625
630
635
640
645
650
655
660
665
670
675
680
685
690
695
700
705
710
715
720
725
730
735
740
745
750
755
760
765
770
775
780
785
790
795
800
805
810
815
820
825
830
835
840
845
850
855
860
865
870
875
880
885
890
895
900
905
910
915
920
925
930
935
940
945
950
955
960
965
970
975
980
985
990
995

a gain variable amplifier for regulating transmission power by varying according to the gain signal of the gain controller.

2. The apparatus as recited in claim 1, wherein the gain variable amplifier varies its gain to 0 dB or 3 dB, according to the gain signal.

3. The apparatus as recited in claim 1, wherein the gain variable amplifier includes:

20 a gain regulator for varying gain according to the gain control signal outputted from the gain controller; and

an amplifier for amplifying the transmission power according to the gain outputted from the gain regulator.

25 4. A method for controlling a transmission power control in a CDMA mobile communication system, comprising the steps of:

a) regulating a transmission power of a base transceiver station (BTS) to 0 dB;

b) checking whether a power control request of an operator exists or not;

5 c) determining whether the power control request of the operator is a first power control or a second power control; and

d) re-regulating the transmission power of the BTS by varying a gain of an amplifier according to the determining
10 result.

5. The method as recited in claim 4, wherein a gain of the first power control is 0 dB and a gain of the second power control is 3 dB.
15